



**STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**Reissuance of
the General Permit for the Discharge of Minor
Boiler Blowdown Wastewater**

The Department of Environmental Protection's General Permit for the Discharge of Minor Boiler Blowdown Wastewater, issued on June 11, 1992, is hereby reissued with the effective date noted below. The General Permit for the Discharge of Minor Boiler Blowdown Wastewater will expire on June 11, 2012, unless otherwise modified in accordance with law.

Issued Date: June 12, 2002

ARTHUR J. ROCQUE, JR.

Commissioner



STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION



GENERAL PERMIT FOR THE DISCHARGE OF MINOR BOILER BLOWDOWN WASTEWATERS

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GENERAL PERMIT FOR THE DISCHARGE OF WASTEWATERS RESULTING
FROM MINOR BOILER BLOWDOWN

PART I. AUTHORITY

This general permit is issued under the authority of Section 22a-430b of the Connecticut General Statutes, as amended by Public Act 91-263.

PART II. DEFINITIONS

The definitions of terms used in this general permit shall be the same as the definitions contained in section 22a:423 of the Connecticut General Statutes and section 22a-430-3(a) of the Regulations of Connecticut State Agencies. In addition, the following definitions shall apply:

"Minor boiler blowdown wastewater" means no more than 5000 gallons per day per boiler of wastewater resulting from periodic or continuous bleed off or draining of bottom, bulk or surface water from a boiler during boiler operation for the purpose of eliminating excess solids from the boiler water, and shall include steam condensate from boiler operations but does not include boil-out or boiler acid cleaning wastewaters.

"Permittee" means any person who or municipality which initiates, creates originates or maintains a discharge to the waters of the state which is covered under this-general permit in accordance with Part IV.D. of this general permit.

"Site" means the same or geographically contiguous property which may be divided by public or private right(s)-of-way, provided the entrance and exit between the properties is at a cross-roads intersection, and access is by crossing as opposed to going along, the right(s)-of-way. Non-contiguous properties owned by the same person but connected by a right-of-way which the person controls and to which the public does not have access, is also considered the same site.

"Boiler acid cleaning wastewaters" means wastewater and waste acid cleaning solution generated from the use of an acidic cleaning solution to remove scale or other contaminants from a boiler.

"Boil-out" means wastewater and waste alkaline cleaning solution generated from hot alkaline cleaning to remove oil and grease, protective coatings or soil, performed as maintenance on a boiler or performed on a new boiler prior to operation.

PART III. FEES

This permit does not require payment of any fees prior to January 1, 1993. On and after January 1, 1993. registration and annual fees shall be paid in accordance with applicable regulations, including but not limited to Sections 22a-430-6 and 22a-430-7 of the Regulations of Connecticut State Agencies.

PART IV. COVERAGE UNDER THIS GENERAL PERMIT

A. Conditions for Eligibility This general permit covers only discharges comprised solely of minor boiler blowdown wastewaters, as defined above, provided that the following conditions are met prior to coverage under this permit.

1. The discharge is not covered by a valid individual permit issued under section 22a-430 of the Connecticut General Statutes.
2. All discharges of minor boiler blowdown wastewaters to which chemicals are added are discharged to a publicly owned treatment works ("POTW")
3. All discharges of minor boiler blowdown wastewaters to which chemicals are not added are discharged to a POTW, or to groundwaters which, on the effective date of this general permit or the date the discharge is initiated, whichever is later, have an existing or future Water Quality Classification of GA or GB in the Connecticut Water Quality Standards adopted pursuant to section 22a-426 of the Connecticut General Statutes.
4. The maximum daily flow of all discharges of minor boiler blowdown wastewaters does not exceed 5000 gallons per day per boiler.
5. Chemical additives used in the boiler shall not contain any of the substances listed in Appendix B, Tables II, III, and V, or Appendix D of Section 22a-430-4 of the Regulations of Connecticut State Agencies.
6. No effluent limitations guideline or standard adopted by the U.S. Environmental Protection Agency under the federal Clean Water Act is applicable to the discharge.
7. For discharges within the coastal boundary as defined in Section 22a-94 of the Connecticut General Statutes, the discharge does not involve construction that has not previously been determined by the Commissioner to be consistent with all applicable goals and policies in Section 22a-92 of the General Connecticut Statutes.

Any discharge of water, substance or material into the waters of the State other than one specified in the foregoing is not authorized by this general permit, and any person who or municipality which initiates, creates, originates or maintains such a discharge must first apply for and obtain an individual permit under Section 22a-430 of the General Statutes.

B. Geographic Area

This permit covers all areas of the State of Connecticut.

C. Effective Date and Expiration Date

This permit is effective on June 11, 1992 and expires on June 11, 2002.

D. Effective Date of Coverage

The effective date of coverage under this general permit for a particular discharge which meets the eligibility criteria above is the same as the effective date of the permit listed in paragraph C above or the date the discharge is initiated, whichever is later.

E. Issuance of an Individual Permit

Under Section 22a-430b of the General Statutes, when an individual permit is issued to a person or municipality otherwise covered by this permit, the applicability of this general permit to the individual permittee is automatically terminated on the effective date of the individual permit.

PART V. REGISTRATION REQUIREMENTS

No registration is required for discharges of minor boiler blowdown wastewater.

PART VI. TREATMENT AND CONTROL REQUIREMENTS; BMPs; OTHER SPECIAL CONDITIONS

- A. The discharge shall be totally enclosed in piping from the boiler to a POTW or building sanitary sewer connected to a POTW.
- B. There shall be no floor drains in the vicinity of the boiler unless such floor drain is authorized separately under a permit issued pursuant to Section 22a-430 or Section 22a-430b of the General Statutes.
- C. All chemicals stored on the same site as the boiler which are used for boiler water treatment shall be stored inside a building or, if stored outside, shall be (1) within a dike or other barrier impervious to the material being contained, (2) supported by a base impervious to the material being contained, (3) covered by a permanent structure which prevents entry of precipitation, and (4) capable of holding without leakage or structural failure, 110 percent of the entire volume of the largest container within the area of the dike or barrier.
- D. Boil-out and boiler acid wastewaters are not covered by this permit. The discharge of these wastewaters must be permitted separately under Section 22a-430 or 22a-430b of the General Statutes, or these wastewaters must be collected by a waste transporter holding a valid license issued by the Commissioner for that purpose.

PART VII EFFLUENT LIMITATIONS

- A. The following effluent limitations shall be complied with at all times:

1.	<u>Pollutant Parameters</u>	<u>Maximum Concentration</u>
	Copper	1.0 mg/l
	Lead	0.1 mg/l

2. The pH of the discharge shall be not less than 6.0 nor greater than 12.0 standard units at any time.
3. The temperature of the discharge shall not exceed 150° at the first manhole after leaving the site and shall not cause the temperature of the influent at the headworks of the sewage treatment plant to exceed 104°F.

PART VIII. MONITORING AND REPORTING REQUIREMENTS

A. Monitoring Parameters and Frequency

Minor boiler blowdown from a boiler to which chemicals are added shall be sampled and analyzed at least annually for all pollutant parameters, including pH, listed in Part VII above. Monitoring is not required for minor boiler blowdown from a boiler to which no chemicals are added.

B. Monitoring Location

All wastewater samples shall be comprised only of minor boiler blowdown wastewaters, and shall be taken prior to combination with wastewaters of any other type. Separate samples shall be taken for each boiler. All samples taken shall be representative of the discharge during standard operation conditions.

C. Sample Type

Samples taken for the purpose of determining compliance with the effluent limitations in Part VII shall be grab samples.

D. Record Retention

Except as provided below, or as otherwise specified by the Commissioner, all analytical results required under this general permit shall not be required to be submitted to the Commissioner but instead shall be retained at the facility as required by Section 22a-430-3(j)(9)(B) of the Regulations of Connecticut State Agencies; and shall be made available to the Commissioner immediately upon request.

PART IX. RECORDING AND REPORTING OF VIOLATIONS

- A. If any analytical results or monitoring data collected under this general permit, or any other information, indicate that a violation of an effluent limitation or any other condition of this general permit has occurred, such violation shall be recorded within twenty-four hours in a log which contains at least the following information:

1. the condition(s) or effluent limitation(s) violated;
2. the analytical results and information demonstrating such violation(s):
3. the cause of the violation(s):

4. period of noncompliance including exact dates and times;
5. if the noncompliance has not been corrected, the anticipated time it is expected to continue. and, upon correction, the date and time of correction;
6. steps taken and planned to reduce, eliminate and prevent a recurrence of the noncompliance, and the dates such steps are executed; and
7. the name and title of the person recording the information, and the date and time of such recording.

B. The permittee shall comply with both of the following requirements if analytical results, monitoring data or other information indicate (1) three simultaneous or consecutive violations of the same or different conditions of this general permit (e.g. three effluent limitation violations involving the same or different effluent limitations, or one effluent limitation violation, one flow violation, and one recording violation), (2) four violations of the same or different conditions of this general permit in any consecutive twelve month period, or (3) the exceedance of any effluent limitation, other than that for pH, by more than two hundred per cent, and for pH, by more than one standard unit:

1. Within twenty days after the third simultaneous or consecutive, or fourth annual violation, as applicable, or within twenty days after the exceedance of any effluent violation, other than that for pH, by more than two hundred per cent, and for pH by more than one standard unit, the permittee shall submit to the Commissioner a report prepared by an independent professional engineer not in the regular employ of the registrant or permittee licensed to practice in Connecticut. Such report shall contain at least the information required to be recorded under paragraph A of this Part for each of the violations which led to the requirement for such report, and for each subsequent violation which occurred prior to the date the report was completed.
2. Within sixty days after the deadline for submitting the report specified in the preceding paragraph, the permittee shall submit to the Commissioner the following certification signed by an independent professional engineer not in the regular employ of the registrant or permittee licensed to practice in Connecticut:

"I certify that in my professional judgement all discharge(s) which are maintained on the site referenced herein, and which are covered under the general permit for boiler blowdown wastewaters issued on 6/11/92 comply with all conditions of said general permit, including but not limited to all effluent limitations in Part VII of such general permit, and proper operation and maintenance of any systems installed to treat such discharge(s) will insure that all effluent limitations and other conditions in such general permit are met, or if there is no treatment system for such discharge(s), that the discharge(s) will meet all effluent limitations and conditions of such general permit without treatment. This certification is based in part on my review of analyses of a minimum of three effluent samples collected, preserved, handled and

analyzed in accordance with 40 CFR 136, which samples were representative of the discharge during standard operating conditions, were taken in the previous year, at least one week apart, and were of the type(s) specified in Part VIII.C of said general permit, and were analyzed for the parameters specified in Part VIII.A of said general permit. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

3. For any discharge to a POTW, a copy of any report required to be submitted under this section, shall also be sent to the POTW which receives the discharge.

PART X. GENERAL CONDITIONS

- A. The permittee shall comply with the following Regulations of Connecticut State Agencies which are hereby incorporated into this general permit, as if fully set forth herein:

1. Section 22a-430-3:

Subsection (b) General - subparagraph (1)(D) and-subdivisions (2), (3), (4) and (5)
Subsection (c) Inspection and Entry.
Subsection (d) Effect of a Permit - subdivisions (1) and (4)
Subsection (e) Duty to Comply
Subsection (f) Proper Operation and Maintenance
Subsection (g) Sludge Disposal.
Subsection (h) Duty to Mitigate.
Subsection (i) Facility Modifications, Notification - subdivisions (1) and (4)
Subsection (j) Monitoring, Records and Report&g Requirements - subdivisions (1), (6), (7), (8), (9) and (11), (except subparagraphs (9)(A)(Z)) and (9)(C).
Subsection (k) Bypass
Subsection (m) Effluent Limitation Violations
Subsection (n) Enforcement.
Subsection (o) Resource conservation.
Subsection (p) Spill prevention and control.
Subsection (q) Instrumentation, Alarms, Flow Recorders.
Subsection (r) Equalization.

2. Section 22a-430-4

Subsection (t) - Prohibitions
Subsection (p) - Revocation, Denial, Modification
Appendices

- B. The permittee shall comply with the following additional terms and conditions:

1. The general permittee is authorized to discharge (A) pollutants in quantities and concentrations as specified in this general permit; and (B) any substances resulting from the processes or activities covered by

this general permit in concentrations and quantities which the Commissioner determines cannot reasonably be expected to cause pollution and will not adversely affect the operation of a POTW. However, the Commissioner may seek an injunction or issue an order to prevent or abate pollution, and may seek criminal penalties against a general permittee who willfully or with criminal negligence causes or threatens pollution.

2. Discharge of any substance which does not result from the processes or activities covered by this general permit shall be considered a violation of this general permit unless it is authorized by an individual permit issued under Section 22a-430 of the General Statutes.
- C. The permittee shall at all times continue to meet the conditions for eligibility set forth in Part IV of this general permit.
- D. Within fifteen days after the date the registrant or permittee becomes aware of a change in any information submitted to the Commissioner under any registration or this general permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the registrant or permittee shall submit the correct or omitted information in writing to the Commissioner.
- E. Nothing in this general permit shall relieve the registrant of other obligations under applicable federal, state and local law.
- F. Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this general permit shall be signed by the permittee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense."
- G. Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense under Section 22a-438 of the General Statutes or, in accordance with Section 22a-6. under Section 53a-157 of the General Statutes.

Issued Date: June 11, 1992

ROBERT E. MOORE

Deputy Commissioner

This is a true and accurate copy of the general permit executed on June 11, 1992 by the Commissioner of the Department of Environmental Protection.